

# Notice of Allowability

Application No.

10/071,126

Examiner

Peter J Macchiarolo

Applicant(s)

KIM ET AL.

Art Unit

2879

## -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed 03/15/2004.
2. ☒ The allowed claim(s) is/are 1.
3. ☒ The drawings filed on 08 February 2002 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All b) ☐ Some\* c) ☐ None of the:
    1. ☒ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

### Attachment(s)

- |   |   |
|---|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)  | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)           |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____ |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment                   |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material          | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance  |
|   | 9. <input type="checkbox"/> Other _____   |

## **DETAILED ACTION**

### ***Acknowledged Receipt***

1. Receipt is acknowledged of the changes to the specification, and the amendment to the claims, all of which were filed on 03/15/2004. The above have been considered and entered.

### ***Examiner's Amendment***

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.
3. Authorization for this examiner's amendment was given in a telephone interview with Steve Laut on 05/10/04.
4. The application has been amended as follows:
  - Add the clause of claim 6 to the end of claim 1 (rewritten below for clarity):
    1. A submount for an opto-electronic module for outputting light incident from an opto-electronic device as an electrical signal, the submount comprising:  
  
a dielectric material having a polygonal shape with a front face and a bottom face; and an interconnection line having a coplanar waveguide structure, attached to the front face and the bottom face of the dielectric material, and electrically connected to the opto-electronic device to output signals from the opto-electronic device, the coplanar waveguide structure

includes a plurality of interconnection lines, which are spaced apart from each other, the interconnection lines are a first ground line, a signal transmission line, a second ground line, and a bias application line, respectively, which are sequentially disposed,

wherein the opto-electronic device is attached to a portion of the second ground line, which is attached to the front face of the dielectric material, and the opto-electronic device is also connected to the signal transmission line and the bias application line via wires,

and wherein the distance between a portion of the signal transmission line and a portion of the second ground line on the bottom face of the dielectric material is greater than the distance between a portion of the signal transmission line and a portion of the second ground line on the front face of the dielectric material.

- Cancel claims 6 and 7.

***Allowable Subject Matter***

5. Claim 1 is allowed.
6. The following is a statement of reasons for the indication of allowable subject matter:
7. The prior art of record discloses a submount for an opto-electric module outputting light very similar to Applicant's. However, the prior art of record fails to motivate or disclose the distance between a portion of the signal transmission line and a portion of the second ground line

on the bottom face of the dielectric material is greater than the distance between a portion of the signal transmission line and a portion of the second ground line on the front face of the dielectric material.

8. Any comments considered necessary by the Applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of reasons for Allowance."

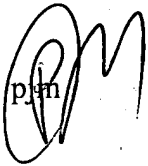
#### ***Conclusion***

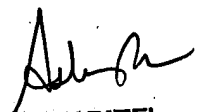
9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Peter J Macchiarolo whose telephone number is (571) 272-2375. The examiner can normally be reached on 8:30 - 5:00, M-F.

10. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nimeshkumar D Patel can be reached on (571) 272-2475. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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11. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

A handwritten signature in black ink, appearing to be 'pm' or similar, enclosed in a circular scribble.

  
ASHOK PATEL  
PRIMARY EXAMINER